

**ABSTRACT OF THE DISCLOSURE**

An implement mounting system for providing a lightweight structure capable of moving along 3 main axes for use upon small to mid-sized tractors. The implement mounting system includes a support frame having a pair of side supports and a rear support, a ball joint attached to the rear support, and a support arm movably attached to the ball joint for rotating about 3 main axes. A brace member is attached between the support frame and the support arm for reducing the amount of side-to-side movement of the support arm. The ball joint is comprised of a ball-and-socket structure for providing various pivoting movements of the support arm.